

**Iowa Public Television
Infrastructure Appropriations Status Report
January 15, 2017**

Project: Replacement of equipment, and for tower and facility maintenance

Description:

Iowa Public Television has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at IPTV's network's studios and transmission facilities.

The plan for the funds received in FY 2016 includes, but is not limited to:

- Replacement of BARD AC units at transmitter sites
- Studio generator upgrade
- Replace KSIN guy wire fence
- KSIN security fence
- KTIN security fence
- Replace snowmobile for Lansing winter access
- Update 6535 Corporate drive HVAC system
- Update 6450 security system
- Update 6450 Corporate Drive façade
- Update 6450 Corporate Drive restroom renovation
- Update 6450 Corporate Drive lobby

Progress of Work Completed: 2.8 % completed as of June 30, 2016. However 51% of the funds have been spent or encumbered as of December 31, 2016.

Total Estimated Cost of Project: \$1,256,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: \$34,797 as of June 30, 2016

Amount of Funds Obligated: An additional \$434,329 was spent by December 31, 2016 and \$170,554 was encumbered as of December 31, 2016

Estimated Completion Date of Project: June 30, 2019

Project: Replacement of equipment, and for tower and facility maintenance

Description:

Iowa Public Television has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at IPTV's network's studios and transmission facilities.

The plan for the funds received in FY 2015 includes, but is not limited to:

- Replacement of the Avid and Final Cut editing systems
- Linear acoustic equipment as required by the FCC
- Upgrade video server with ChannelPort graphics and branding system for HD and SD services
- Replacement of current ATSC encoders
- Paint and install new lighting system at Fort Madison translator
- Replace receiver at Keokuk translator
- Video clip player/server for mobile unit
- Replace current ATSC encoders

Progress of Work Completed: 69.6 % completed as of June 30, 2016

Total Estimated Cost of Project: \$1,000,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: \$696,079 as of June 30, 2016

Amount of Funds Obligated: An additional \$120,487 has been spent as of December 31, 2016

Estimated Completion Date of Project: June 30, 2018

Project: Replacement of equipment and for tower and facility maintenance

Description:

Iowa Public Television has developed a strategic plan for the replacement of equipment and for tower and facility maintenance at IPTV's network's studios and transmission facilities.

The plan for the funds received in FY 2014 includes, but is not limited to:

- Replace defective lighting and paint Sibley translator
- Replacement of Omneon Media Ports
- Replaced beacon at Rock Rapids translator
- Repair at the KSIN (Sioux City) transmitter
- Replace the roof at the KBIN (Council Bluffs) transmitter site
- Paint the tower and repair the roof at KDIN (Des Moines).
- Replace three IT-based servers in the broadcast network systems
- Replace all of the receivers used at the transmitter sites
- Installation of security systems at all of the transmitter sites
- Replace character generators for the studio and mobile unit
- Replace Spectra Logic T-950 drives
- Upgrade to the Avid master control automation system

Progress of Work Completed: 100% completed as of June 30, 2016

Total Estimated Cost of Project: \$960,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: \$960,000 as of June 30, 2016

Amount of Funds Obligated: None

Estimated Completion Date of Project: Completed as of June 30, 2016

Project: Replacement of Inductive Output Tubes (IOTs)

Description:

Six of IPTV's transmitter sites use primary transmitters that are based on high-powered transmitting tubes called Inductive Output Tubes or IOTs. At two of the sites we use transmitters that require two of these tubes and at the other four sites we use single tubes, for a total of 8 tubes in the system. With the digital television conversion, all of the tubes were replaced with new tubes. Tubes have a life expectancy of approximately 40,000 hours in continuous use. The devices have been in use for three to four years depending upon the installation at each site. The tubes will start failing once they reach 40,000 hours of use and must be replaced.

Progress of Work Completed:

One of the eight tubes failed. A new Induction Output Tube was purchased and installed at KYIN, our Mason City transmitter.

Total Estimated Cost of Project: \$320,000

List of all Revenue Sources to Fund the Project:

State Funds: Technology Reinvestment Fund 8.57C

Amount of Funds Expended: None as of June 30, 2016

Amount of Funds Obligated: \$42,164 was spent by December 31, 2016

Estimated Completion Date of Project: June 30, 2018